



Blouberg Ridge Primary School

Grade 5

Mathematics

Mid-Year Examination Paper 2019

Marking Guidelines

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- Read all your questions carefully.
 - Work neatly and in pencil.
 - Do not rush your work and remember to check your work thoroughly once you have finished.
 - Good luck!
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Question 1: Multiple questions

(5)

Choose the correct answer.

1.1 What is the place value of digit 8 in 74 832? :

- A thousands
- B hundreds
- C ten – thousands
- D tens

1.2 $16 \times 3 =$

- A 48
- B 46
- C 52
- D 42

1.3 9 is a factor of:

- A 46
- B 26
- C 36
- D 71

1.4 80 cm converted to millimetres is ...

- A 800 mm
- B 8 mm
- C 8 000 mm
- D 80 mm

1.5 Arrange the following units from the least to the most.

5 L, 50 ml, 500 ml

- A 5 l, 50 ml, 500 ml
- B 5 l, 500 ml, 50 ml
- C 50 ml, 5 l, 500 ml
- D 50 ml, 500 ml, 5 l

Question 2: Place value/Compare

(5)

2.1) Write the following number in **words**: 819 587

Eight hundred and nineteen thousand five hundred and eighty-seven. (1)

2.2) Why is the above number **odd**?

If an odd number gets divided by 2 there will be a remainder left. (1)

2.3) **Calculate:** $(6 \times 10\,000) + (8 \times 1\,000) + (5 \times 100) + (3 \times 1) = \square$

68 503 (1)

2.4) **Complete the sequence**

213 972; 214 972; 215 972; **216 972** (1)

2.5 Fill in **<**, **>** or **=** in the

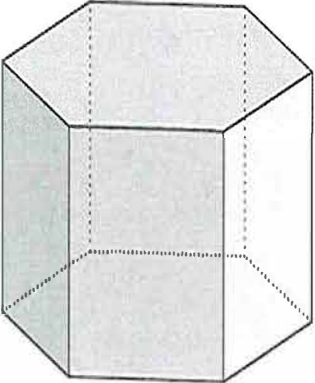
(1)

a. 3 569 3 658

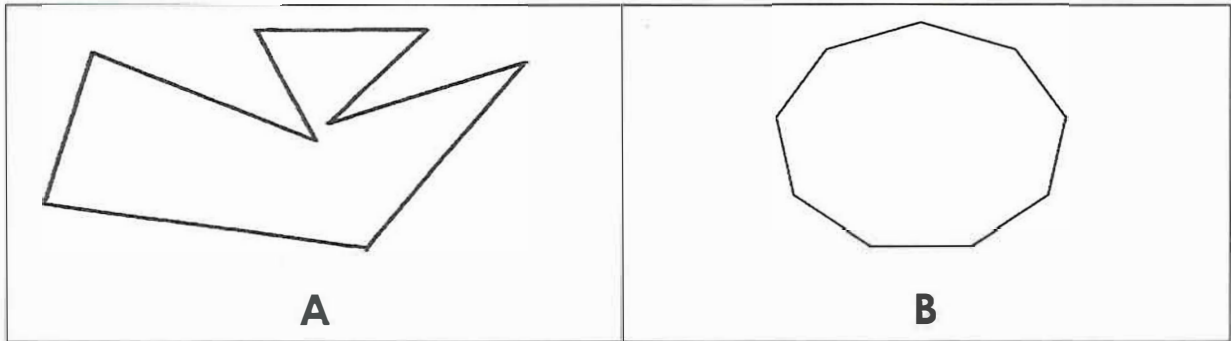
Question 3: Shapes

(4)

Complete the table

	Name of 3D shape 3.1 Hexagonal prism	Number of faces 3.2 8	Number of vertices 3.3 12	Number of edges 3.4 18

3.5 Look at the shapes below and answer the questions that follow: (4)



3.5.1 Name the 2-D shapes.

A- Octagon

B- Nonagon

3.5.2 Choose whether the shape is regular or irregular.

A- Regular/Irregular

B- Regular/Irregular

Question 4: Problem solving.

(6)

4.1 If a **bus** can take **80 passengers** on board, how many buses are needed to transport 1360 people? (Use the **RNWA** method)

(3)

R: Learner's own depiction

N: $1\ 360 \div 80 = \square$

W: $1\ 360 \div 80 = 18$ (any method)

A: 18 buses are needed to transport 1 360 people



4.2 The ticket prices for a Ballet concert cost **R20** per child and R30 per **adult**. If there are three adults and four children from the Reddy family attending the ballet, calculate the **cost** of **all the tickets**. (Use the **RNWA** method)

(3)

R: Learner's own depiction

N: $(3 \times 30) + (4 \times 20)$

W: $3 \times R30 = R90$

+

$4 \times R20 = R80$ (Learners may show any method of working out)

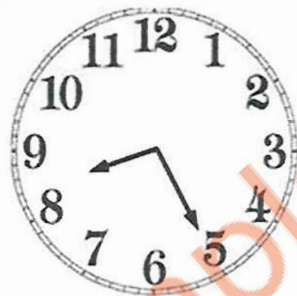
R170

A: The Reddy family will pay R1 70 for all the tickets

Question 5: Time

(4)

Look at the clock below and answer the questions:



5.1 What **time** will it be in **3 hours**?

11 :25 pm/11 :25 am/23:25/ 25 past 11

(1)

5.2 What time was it **1 hour and 20 minutes ago**?

7:05pm/7:05 am/19:05/ 5 past 7

(1)

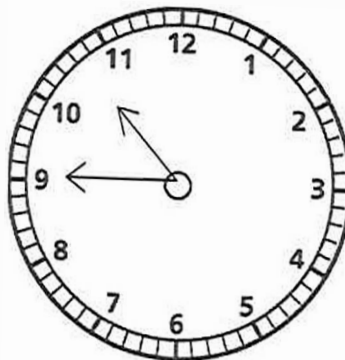
5.3 Look at the clock and write down the time in the evening in **24:00 hour digital time**.

20:25

(1)

(1)

5.4 Show **22: 45** on the **clock** below (draw the long and short hand in):



Question 6: Length

(6)

Calculate:

6.1 $17\,250\text{ m} = 17,25/17\frac{1}{4}\text{ km}$

6.2 $6\text{km } 66\text{m} = 6066\text{ m}$

(2)

6.3 $45\text{ cm} = 450\text{ mm}$

6.4 $22\frac{1}{2}\text{ cm} = 225\text{ mm}$

(2)

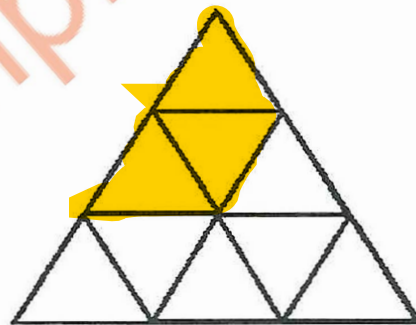
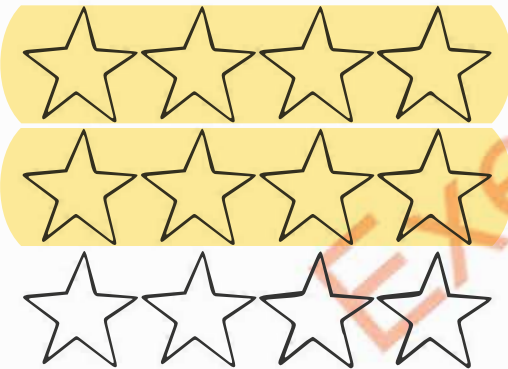
6.5 Ravi jogs at **2 metres per minute**. He jogs for **1 hour and 15 minutes**. What is the **distance** covered by him? (2)

2 metres x 75 minutes
 $2 \times 75 = 150\text{ metres}$
(any method accepted)

Question 7: Fractions

(6)

7.1 **Shade/colour** the **fractions** as indicated for each diagram.



a. $\frac{2}{3}$ of 12 stars (shade any 8 stars) (1) b. $\frac{1}{3}$ of the triangle (shade any 3 small triangles) (1)

7.2 $\frac{7}{8} + \frac{6}{8} = \frac{13}{8} / 1\frac{5}{8}$ (1)

Answer doesn't have to be
simplified

7.3 $1 - \frac{3}{10} = \frac{7}{10}$ (1)





7.4 Write down **2 fractions** smaller than a $\frac{1}{2}$. **a.** $\frac{1}{3}$ **b.** $\frac{1}{10}$ (any 2 smaller than a half) (2)

Question 8: Data handling

(4)

The following **pictograph** represents learners in Grades 4, 5, 6 and 7 who participated in **Blouberg Ridge Primary School's concert**.

Study the graph carefully and answer the questions.

Grade	Number of learners in Blouberg Ridge Primary School's concert
4	
5	
6	
7	

Key:  represents 10 learners

8.1 Which **Grade** had the **most participants** in the concert? **Gr. 7** (1)

8.2 How many **more** Grade 7's participated than Grade 6's? **30** (1)

8.3 What is the **total number** of participants in the concert? (Show all working)

$$60 + 70 + 60 + 90 = 280$$

280 participants in the concert
(1 mark for working out and 1 for answer)

(2)

Question 9: Calculate

(6)

You may use any method. (show all working out)

9.1 $59\,847 - 39\,558 =$ (1)

		5	9	8	4	7		
	-	3	9	5	5	8		
		<u>2</u>	<u>0</u>	<u>2</u>	<u>8</u>	<u>9</u>		

9.2 $817\,625 + 91\,771 =$ (1)

		8	1	7	6	2	5		
	+		9	1	7	7	1		
		<u>9</u>	<u>0</u>	<u>9</u>	<u>3</u>	<u>9</u>	<u>6</u>		

9.3 $197 \times 27 =$ (2)

	1	9	7	x	2	7			
=	(100+90+7) x 27								
=	(100x27) + (90x27)+ (27x7)								
=	2700 + 2430 + 189								
=	5319								

9.4 $820 \div 20 =$ (2)

			1	1	7	6		
	5	<u>5</u>	8	8	0			
		5						
		-	8					
			5					
		-	3	8				
			3	5				
		-	3	0				
			3	0				
			<u>0</u>	<u>0</u>				

(1 mark working out and 1 mark answer)
Learners may use any method

Exemplar